

What is claimed is:

1. A method for forming an elastic, breathable film comprising the steps of:
 - 5 a) filling a semi-crystalline, predominantly linear polymer having a melt index of greater than about 10 g/10 min, and a density greater than about 0.915 g/cc, with a filler to form a filled polymer such that said filled polymer contains at least 70 percent by weight filler;
 - 10 b) dry-blending a thermoplastic, elastomeric block polymer with the filled polymer to form a blended elastomeric polymer, such that the said blended elastomeric polymer includes between about 25 and 70 percent filler by weight, between about 5 and 30 percent semi-crystalline polymer by weight, and between about 15 and 60 percent by weight elastomeric polymer;
 - 15 c) extruding the blended elastomeric polymer into a film;
 - 20 d) orienting said film in a machine direction between about 2 and 5 times, such that said film produced has a basis weight of between about 15 and 60 gsm and demonstrates a breathability greater than about 100 g/m²/24 hours and a load loss value at 50 percent elongation of less than about 50 percent.
2. The method of claim 1, wherein step b, the filler is present in said blended elastomeric polymer between about 40 and 70 percent by weight.
- 25 3. The method of claim 1 wherein step b, the elastomeric polymer in said blended elastomeric polymer is present between about 15 and 50 percent by weight.
4. The method of claim 1 wherein step a, the semi-crystalline polymer has a melt index greater than about 20 g/10 min.
- 30 5. The method of claim 1 wherein step a, the semi-crystalline polymer has a density of greater than about 0.917 g/cc.
- 35 6. The method of claim 1 wherein step a, the semi-crystalline polymer has a density of between about 0.917 g/cc and 0.960 g/cc.

7. The method of claim 1, wherein step a, the filled polymer contains between about 70 and 85 percent by weight filler.
- 5 8. The method of claim 1 wherein step a, the filled polymer contains greater than about 75 percent by weight filler.
9. The method of claim 1, wherein step a, the filled polymer contains greater than about 80 percent by weight filler.
- 10 10. The method of claim 2 wherein step b, the blended elastomeric polymer contains between about 45 and 65 percent filler by weight.
11. The method of claim 1 wherein step b, the blended elastomeric polymer contains between about 5 and 25 percent by weight semi-crystalline polymer.
- 15 12. The method of claim 11 wherein step b, the blended elastomeric polymer contains between about 10 and 25 percent by weight semi-crystalline polymer.
13. The method of claim 1 wherein step b, the blended elastomeric polymer contains between about 20 and 50 percent thermoplastic elastomer.
- 20 14. The method of claim 13 wherein step b, the blended elastomeric polymer contains between about 20 and 40 percent thermoplastic elastomer.
- 25 15. The method of claim 1 further including the step of orienting said film in the cross-machine direction.
16. The method of claim 15 wherein said step of orienting said film in the cross-machine direction is accomplished by grooved rolls.
- 30 17. The method of claim 16 wherein said grooved rolls include about 4 and 15 grooves per inch.
18. The method of claim 17 wherein said grooved rolls include about 6 and 12 grooves per inch.
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19. The method of claim 18 wherein said grooved rolls include about 8 and 10 grooves per inch.
20. The method of claim 15 wherein said grooves include valleys of between about
5 100 thousandths and 25 thousandths of an inch.
21. An elastic, breathable film comprising:
a blended block polymer thermoplastic elastomer and a filled semi crystalline
predominantly linear polymer demonstrating a melt index of greater than about 10
10 g/10 min and a density greater than about 0.915 g/cc, said film comprising
between about 25 and 70 weight percent filler, between about 5 and 30 by
weight percent semi-crystalline linear polymer, and between about 15 and 60 by
weight elastomeric polymer, wherein said filler is closely associated with said semi
crystalline linear polymer, and further wherein said film demonstrates a load loss
15 value at a 50 percent elongation of less than about 50 percent, and a breathability
of greater than about 100 g/m²/24 hours.
22. The elastic breathable film of claim 21, wherein said melt index is greater than
about 20 g/10 min.
- 20 23. The elastic breathable film of claim 21, wherein said density is greater than about
0.917 g/cc.
24. The elastic breathable film of claim 21, wherein said film demonstrates a percent
25 set of less than about 50 percent.
25. The elastic breathable film of claim 21 wherein said film demonstrates a percent
set of between about 20 and 50 percent.
26. The elastic breathable film of claim 21, wherein the film demonstrates a percent
30 set of less than about 20 percent.
27. The elastic breathable film of claim 21, wherein said density is between about
0.917 g/cc and 0.960 g/cc.
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28. The elastic breathable film of claim 21, wherein said film demonstrates a load loss of less than about 45 percent.
- 5 29. The elastic breathable film of claim 21, wherein said film demonstrates a load loss of less than about 35 percent.
30. The elastic breathable film of claim 21, wherein said elastomeric polymer is a styrenic block copolymer.
- 10 31. The elastic breathable film of claim 21, wherein said filled polymer is a polyethylene.
32. The elastic breathable film of claim 21, wherein said breathability is greater than about 1,000 g/m²/24hours.
- 15 33. The elastic breathable film of claim 21, wherein said filler is present in said blended elastomeric polymer between about 40 and 70 weight percent.
- 20 34. The elastic breathable film of claim 21, wherein said filler is present in said blended elastomeric polymer between about 45 and 65 weight percent.
35. The elastic breathable film of claim 21, wherein said elastomeric polymer is present between about 15 and 50 percent by weight.
- 25 36. The elastic breathable film of claim 21, wherein said elastomeric polymer is present between about 20 and 50 weight percent thermoplastic elastomer.
37. The elastic breathable film of claim 21, wherein said elastomeric polymer is present between about 20 and 40 percent by weight.
- 30 38. he elastic breathable film of claim 21, wherein said blended semi- crystalline polymer is present between about 5 and 25 weight percent.
- 35 39. The elastic breathable film of claim 21, wherein said blended semi- crystalline polymer is present between about 10 and 25 weight percent.

40. A personal care article comprising the elastic breathable film of claim 21.

41. An outercover of a personal care article comprising the film of claim 21.

5 42. A recreational outdoor cover comprising the film of claim 21.

43. A disposable protective garment comprising the film of claim 21.

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